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A FREQUENCY SENSITIVE INDUCTANCE DEVICE IN POTS SPLITTER DESIGN ABSTRACT OF THE DISCLOSURE

POTS splitter design which incorporates a low-pass filter which improves the voice-band return loss characteristics without sacrificing performance with regard to the voice-band insertion loss or the ADSL-band attenuation distortion. This is accomplished by replacing the inductor of the conventional POTS splitter low-pass circuit with a parallel-connected inductor and resistor.